

CLAIMS

1. An electronic mail server for relaying electronic mail, comprising:

5 an unsolicited URL storage portion for storing a part or a whole of a URL of a Web site that delivers undesired information for a receiver of electronic mail;

 a reception portion for receiving electronic mail sent from a terminal device of a sender;

10 a decision portion for deciding whether or not the received electronic mail contains a part or a whole of the URL stored in the unsolicited URL storage portion; and

 a transmission portion for sending the received electronic mail to a terminal device of a destination address
15 of the received electronic mail only when it is decided that the received electronic mail does not contain a part or a whole of the URL.

2. An electronic mail server for relaying electronic mail, comprising:

20 a URL rule storage portion for storing URL rule information that indicates a relationship between a domain name of a domain when determining a URL and a site name of a Web site that is provided to each domain;

 a first reception portion for receiving unsolicited
25 bulk electronic mail from a terminal device of a user, the electronic mail being unsolicited electronic mail to the user who received the electronic mail;

 a domain extraction portion for extracting a domain name indicated in a URL contained in the received unsolicited
30 bulk electronic mail;

a Web site specifying portion for specifying a Web site that delivers a Web page indicated in the URL contained in the received unsolicited bulk electronic mail by referring to the URL rule information based on the extracted domain name;

5 an unsolicited site storage portion for storing the extracted domain name and a site name of the specified Web site as unsolicited site information in connection with the user;

a second reception portion for receiving electronic mail sent from a terminal device of a sender;

10 an unsolicited bulk electronic mail decision portion for deciding whether or not the received electronic mail is unsolicited bulk electronic mail by deciding whether the URL contained in the received electronic mail contains a domain name and a site name indicated in the unsolicited site
15 information of the user of the destination address of the received electronic mail; and

a transmission portion for sending the received electronic mail to a terminal device of a user of the destination address only when it is decided that the received
20 electronic mail is not unsolicited bulk electronic mail.

3. The electronic mail server according to claim 2, further comprising a first Web page obtaining portion for obtaining a Web page indicated in a URL contained in the unsolicited bulk electronic mail received by the first
25 reception portion, wherein

if the Web page obtained by the first Web page obtaining portion contains a code for jumping to other Web page automatically,

the domain extraction portion extracts a domain name
30 of a domain in which the other Web page is provided,

the Web site specifying portion specifies a Web site that delivers the other Web page, and

the unsolicited site storage portion stores a domain name of a domain in which a Web site is provided for delivering
5 the other Web page and a site name of the Web site as the unsolicited site information.

4. The electronic mail server according to claim 2 or 3, further comprising a second Web page obtaining portion for obtaining a Web page indicated in a URL contained in the
10 electronic mail received by the second reception portion, wherein

if the Web page obtained by the second Web page obtaining portion contains a code for jumping to other Web page automatically, the unsolicited bulk electronic mail decision
15 portion decides whether or not the electronic mail is unsolicited bulk electronic mail in accordance with a URL of the other Web page.

5. A method for relaying electronic mail in an electronic mail server, comprising the steps of:
20 storing a part or a whole of a URL of a Web site that delivers undesired information by electronic mail to a receiver;

receiving electronic mail sent from a terminal device of a sender;

25 deciding whether or not the received electronic mail contains a part or a whole of the stored URL; and

sending the received electronic mail to a terminal device of a destination address of the received electronic mail only when it is decided that the received electronic mail does
30 not contain a part or a whole of the URL.

6. A computer program product for use in a computer for relaying electronic mail, the computer program product comprising:

5 means for receiving electronic mail sent from a terminal device of a sender,

means for deciding whether or not the electronic mail contains a part or a whole of a URL of a Web site that delivers information that is undesired for a receiver of electronic mail; and

10 sending the received electronic mail to a terminal device of the receiver of the electronic mail only when it is decided that the received electronic mail does not contain a part or a whole of the URL.